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CURRENT SERIAL RECORDS



Dairy-Herd-Improvement Letter

ARS-44-108  
(Vol. 37, No. 9)

OCTOBER 1961

18, 291 Sire Records Compiled

During the operation of the automated DHIA sire-proving procedures in July and August, sire records were compiled on 18, 291 sires used in DHIA herds.

In this operation the Master File of DHIA lactation records was updated with correctly reported records. The sire records compiled, therefore, include all usable records that were reported up to May 1, 1961.

The following sire records were compiled:

1. New Proved-Sire Records*	4, 058
2. Proved-Sire Records Retabulated*	6, 037
3. Daughter-Average Records*	8, 196
Total	18, 291
4. DHIA Proved-Sire and Daughter-Average List is now being printed in two volumes. The List should be available for mailing in late November. (List will be distributed to those on the mailing list receiving the Dairy-Herd-Improvement Letter.)	

On the following pages are various tabulations of the summaries of the proved-sire records compiled.

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\*Copies have been sent to the State Colleges.

TABLE 1.--NUMBER OF PROVED-SIRE RECORDS TABULATED IN 1961, BY STATES AND BREED \*

STATE	AYRSHIRE	GUERNSEY	HOLSTEIN	JERSEY	BR. SWISS	SHORTHORN	RED DANE	OTHER	RED POLL	TOTAL
ALABAMA -----	1	4	91	22	5	2				125
ALASKA -----										
ARIZONA -----	1	5	79	1	5					91
ARKANSAS -----	1	3	16	6	2	2				30
CALIFORNIA -----	9	10	49	20	14					102
COLORADO -----	10	10	103	9	34	1				167
CONNECTICUT -----	62	57	409	34	45	2				609
DELAWARE -----	23	15	112	5	9					164
FLORIDA -----	3	32	81	18	9					143
GEORGIA -----	6	2	178	26	22					234
HAWAII -----			1							1
IDAHO -----	6	16	107	14	18	9				170
ILLINOIS -----	27	63	611	39	143	29				912
INDIANA -----	21	43	304	39	60	6				473
IOWA -----	49	32	515	38	148	39				821
KANSAS -----	46	13	234	11	54	20				378
KENTUCKY -----	3	12	136	21	15	1				188
LOUISIANA -----		7	24	8	1					40
MAINE -----	27	28	203	20	11	6				295
MARYLAND -----	67	69	582	26	74	8				826
MASSACHUSETTS --	66	53	423	37	67	7				653
MICHIGAN -----	23	51	940	57	102	18	5			1,196
MINNESOTA -----	34	32	545	31	95	30				767
MISSISSIPPI ----	5	17	24	15	2					63
MISSOURI -----	3	20	177	24	33	12				269
MONTANA -----	2		25	2	15	3				47
NEBRASKA -----	6	17	156	4	44	7				236
NEVADA -----			2	1						3
NEW HAMPSHIRE --	30	15	202	18	14	5				284
NEW JERSEY -----	12	60	363	25	70					530
NEW MEXICO -----		13	23	2	1					39
NEW YORK -----	168	104	1,981	63	143	21				2,500
NORTH CAROLINA --	21	39	292	21	14	2				389
NORTH DAKOTA ---		6	57	1	33	8				105
OHIO -----	41	32	492	71	122	17				775
OKLAHOMA -----	15	4	62	15	22	5				123
OREGON -----	1	23	80	46	14	2				166
PENNSYLVANIA ---	103	197	1,509	79	73	12				1,973
RHODE ISLAND ---	22	8	87	9	2					128
SOUTH CAROLINA --	6	18	100	9	4					137
SOUTH DAKOTA ---	7	2	71	2	25					107
TENNESSEE -----	1	17	35	36	3					92
TEXAS -----	6	9	161	29	45	2				252
UTAH -----	3	7	118	15	2					145
VERMONT -----	74	37	396	86	43	4				640
VIRGINIA -----	25	66	465	16	37	7				616
WASHINGTON -----	8	30	185	43	21	3				290
WEST VIRGINIA --	9	6	195	12	9					233
WISCONSIN -----	22	87	1,199	38	157	38				1,541
WYOMING -----			11		5	1				17
PUERTO RICO ----			1							1
TOTAL **	498	684	7,411	602	689	206	5			10,095

\* THE NUMBER LISTED FOR EACH STATE FREQUENTLY INCLUDES 1 OR MORE SIRES PROVED WITH RECORDS FROM SOME OTHER STATE AS WELL AS FROM THE STATE INDICATED.

\*\*THE TOTALS GIVEN HERE OMIT DUPLICATIONS OF SIRES

TABLE 2.--TOTAL NUMBER OF DAUGHTER-AVERAGE TABULATIONS OF DHIA SIRES COMPILED IN 1961, BY BREED

AYRSHIRE	GUERNSEY	HOLSTEIN	JERSEY	BROWN SWISS	SHORTHORN	RED DANE	OTHER	RED POLL	TOTAL
307	1,046	4,803	1,539	324	169	8			8,196

TABLE 3.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF Sires PROVED IN 1961, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE DAMS TO WHICH THEY WERE MATED

BUTTERFAT PRODUCTION RANGE OF DAMS POUNDS	SIRE NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	AVERAGE PRODUCTION				
						DAMS BUTTERFAT % POUNDS	MILK POUNDS	DAUGHTERS BUTTERFAT % POUNDS	BUTTERFAT % POUNDS	
UNDER 275-----	74	65	9	634	6,646	3.8	255	7,981	3.9	311
275 - 299-----	131	101	30	1,208	7,373	3.9	289	8,015	4.0	319
300 - 324-----	228	150	78	2,279	8,096	3.9	314	8,557	3.9	337
325 - 349-----	442	303	139	4,573	8,462	4.0	338	8,881	4.1	361
350 - 374-----	799	506	293	8,721	9,473	3.8	363	9,758	3.9	381
375 - 399-----	1,143	646	497	13,986	10,063	3.9	388	10,124	3.9	397
400 - 424-----	1,406	753	653	18,913	10,876	3.8	413	10,846	3.9	419
425 - 449-----	1,673	859	814	46,454	11,666	3.7	437	11,511	3.8	440
450 - 474-----	1,545	726	819	51,975	12,383	3.7	462	12,147	3.8	460
475 - 499-----	1,122	458	664	21,685	13,047	3.7	486	12,638	3.8	479
500 - 524-----	737	273	464	10,577	13,637	3.7	511	13,050	3.8	495
525 - 549-----	432	116	316	5,549	14,222	3.8	536	13,353	3.8	507
550 - 574-----	204	52	152	2,254	14,939	3.8	560	13,915	3.8	531
575 - 599-----	81	21	60	844	15,419	3.8	586	14,447	3.8	555
600 - 624-----	50	11	39	469	15,782	3.9	609	14,430	3.9	559
625 - 649-----	15	2	13	106	15,569	4.1	632	14,083	4.0	568
OVER 650-----	13	1	12	127	18,479	4.1	764	14,065	4.1	574
TOTAL OR AVERAGE-----	10,095	5,043	5,052	190,354	11,535	3.8	436	11,377	3.8	437

TABLE 4.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF Sires PROVED IN 1961, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE DAMS TO WHICH THEY WERE MATED

MILK PRODUCTION RANGE OF DAMS POUNDS	SIRE NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	AVERAGE PRODUCTION				
						DAMS BUTTERFAT % POUNDS	MILK POUNDS	BUTTERFAT % POUNDS	BUTTERFAT % POUNDS	
UNDER 6500---	109	75	34	997	6,079	4.9	296	6,676	4.8	324
6500 - 7499---	359	205	154	3,646	7,036	4.8	338	7,292	4.8	351
7500 - 8499---	732	317	415	8,203	8,012	4.7	374	7,979	4.7	373
8500 - 9499---	730	326	404	7,933	8,993	4.3	386	8,966	4.3	387
9500 - 10499---	943	501	442	11,869	10,038	3.9	389	10,240	3.9	400
10500-11499---	1,486	789	697	21,124	11,033	3.7	408	11,196	3.8	421
11500-12499---	2,680	980	1,100	58,983	12,026	3.6	438	11,943	3.7	443
12500-13499---	1,920	782	1,138	54,333	12,965	3.6	470	12,686	3.7	469
13500-14499---	1,119	341	778	16,443	13,940	3.6	504	13,283	3.7	489
14500-15499---	427	116	311	4,910	14,908	3.6	537	13,920	3.7	513
15500-16499---	141	32	109	1,501	15,860	3.6	573	14,724	3.7	544
OVER 16500---	49	8	41	412	17,616	3.6	629	15,236	3.6	553
TOTAL OR AVERAGE-----	10,095	4,472	5,623	190,354	11,535	3.8	436	11,377	3.8	437

TABLE 5.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES PROVED IN 1961, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THESE DAUGHTERS

BUTTERFAT PRODUCTION RANGE OF DAUGHTERS POUNDS	SIRES NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	AVERAGE PRODUCTION			
						DAMS	BUTTERFAT % POUNDS	MILK POUNDS	BUTTERFAT % POUNDS
UNDER 275-----	98	11	87	782	7,785	4.0	313	6,209	4.0 249
275 - 299-----	143	29	114	1,313	8,260	4.0	332	7,116	4.1 288
300 - 324-----	278	60	218	2,730	8,932	3.9	352	7,961	3.9 314
325 - 349-----	527	134	393	5,475	9,262	4.0	370	8,390	4.0 337
350 - 374-----	843	228	615	9,729	9,922	3.9	390	9,147	4.0 363
375 - 399-----	1,134	393	741	13,827	10,584	3.8	406	9,983	3.9 387
400 - 424-----	1,394	579	815	22,338	11,198	3.8	424	10,782	3.8 412
425 - 449-----	1,495	742	753	32,856	11,719	3.7	438	11,511	3.8 437
450 - 474-----	1,404	796	608	44,390	12,272	3.7	455	12,253	3.8 462
475 - 499-----	1,054	687	367	27,841	12,650	3.7	472	12,882	3.8 486
500 - 524-----	751	568	183	15,742	13,006	3.7	483	13,548	3.8 511
525 - 549-----	437	344	93	6,214	13,425	3.7	501	14,136	3.8 536
550 - 574-----	242	199	43	3,777	13,738	3.7	514	14,645	3.8 561
575 - 599-----	127	113	14	1,470	13,896	3.7	520	15,332	3.8 586
600 - 624-----	57	52	5	612	14,349	3.7	538	15,871	3.8 610
625 - 649-----	33	31	2	380	14,269	3.7	533	16,007	4.0 635
OVER 650-----	78	77	1	878	13,688	3.7	511	16,205	4.1 664
TOTAL OR AVERAGE-----	10,095	5,043	5,052	190,354	11,535	3.8	436	11,377	3.8 437

TABLE 6.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES PROVED IN 1961, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THESE DAUGHTERS

MILK PRODUCTION RANGE OF DAUGHTERS POUNDS	SIRES NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	AVERAGE PRODUCTION			
						DAMS	BUTTERFAT % POUNDS	MILK POUNDS	BUTTERFAT % POUNDS
UNDER 6500---	188	11	177	1,705	7,205	4.8	348	5,883	5.1 298
6500 - 7499---	467	109	358	5,251	7,714	4.8	369	7,049	4.9 345
7500 - 8499---	712	233	479	7,636	8,443	4.5	384	8,015	4.6 371
8500 - 9499---	784	277	507	8,888	9,646	4.1	394	9,002	4.2 376
9500 - 10499---	1,076	317	759	13,722	10,725	3.8	408	10,044	3.9 393
10500-11499---	1,601	492	1,109	29,341	11,623	3.7	428	11,018	3.8 414
11500-12499---	1,889	789	1,100	52,451	12,230	3.6	444	12,001	3.7 445
12500-13499---	1,735	980	755	43,119	12,821	3.6	465	12,970	3.7 477
13500-14499---	942	673	269	20,160	13,318	3.6	484	13,937	3.7 514
14500-15499---	427	338	89	5,040	13,886	3.6	503	14,931	3.6 541
15500-16499---	178	161	17	2,146	14,394	3.6	519	15,920	3.6 580
OVER 16500---	96	92	4	895	14,418	3.6	520	16,049	3.8 678
TOTAL OR AVERAGE-----	10,095	4,472	5,623	190,354	11,535	3.8	436	11,377	3.8 437



PRODUCTION RECORDS REPORTED TO THE DAIRY CATTLE RESEARCH BRANCH BY STATE EXTENSION SERVICES,  
FOR THE PERMANENT FILES DURING 1960 and 1961

State	First 9 months of 1961										1960	
	Cows on		Production		Herd Test Records Reported by --						Total	Records
	test in all:		records		:American:Brown Swiss:American:American:						records	Returned:
	association:		reported		:Dairy :Cattle :Guernsey:Jersey :						reported	records
	herds on		:		:Cattle :Breeders' :Cattle :Cattle :							reported
	January 1		1/	2/	Club	Association	Club	Club			3/	2/
	Number	Number	Number	Number	Number	Number	Number	Percent	Number	Number	Percent	
Maine-----	22,060	13,650	-	-	62	66	13,778	62.5	273	14,611	69.6	
N. H-----	12,240	6,874	-	-	40	67	6,981	57.0	149	7,678	65.4	
Vt-----	47,792	16,949	-	20	51	545	17,565	36.8	325	23,576	51.9	
Mass-----	22,795	14,935	28	75	128	343	15,509	68.0	177	18,498	83.7	
R. I-----	2,709	1,498	-	-	66	194	1,758	64.9	13	1,530	55.4	
Conn-----	24,734	13,185	-	73	502	-	13,760	55.6	194	18,470	83.8	
N. Y-----	157,305	105,531	16	-	553	667	106,767	67.9	5,185	116,247	77.0	
Pa-----	156,187	86,161	-	25	771	180	87,137	55.8	5,581	124,242	89.0	
N. J-----	28,235	9,948	-	75	695	264	10,982	38.9	407	14,984	54.5	
Md-----	46,433	20,672	-	60	419	251	21,402	46.1	174	27,578	62.4	
Del-----	3,832	2,594	-	8	141	-	2,743	71.6	24	3,538	98.4	
Va-----	60,015	35,920	-	-	205	198	36,323	60.5	629	33,506	65.7	
W. Va-----	9,166	3,725	-	17	8	87	3,837	41.9	37	4,400	50.4	
Ky-----	17,331	3,721	-	13	107	468	4,309	24.9	111	7,011	40.4	
N. C-----	34,915	17,634	-	-	629	358	18,661	58.4	238	21,565	67.2	
S. C-----	13,850	7,172	-	39	379	-	7,590	54.8	83	6,973	66.1	
Ga-----	22,451	5,517	-	11	170	215	5,913	26.3	102	5,979	30.3	
Fla-----	21,413	3,252	-	5	285	124	3,666	17.1	58	7,150	33.1	
Ala-----	20,077	6,386	-	-	191	191	6,605	32.9	57	8,983	50.5	
Miss-----	8,679	1,513	-	10	201	262	1,986	22.9	32	2,750	35.8	
Tenn-----	19,384	2,904	-	-	466	732	4,102	21.2	50	1,812	11.1	
La-----	4,455	512	-	-	217	177	906	20.3	3	1,111	28.0	
Ark-----	2,845	1,197	-	8	78	170	1,453	51.1	30	1,234	64.3	
Ohio-----	66,656	30,220	-	302	1,818	1,702	34,042	51.1	896	32,729	54.4	
Ind-----	39,237	14,330	27	65	623	535	15,580	39.7	127	20,610	57.6	
Ill-----	58,050	34,108	-	166	380	321	34,975	60.2	1,428	41,463	71.2	
Mich-----	66,425	37,910	-	128	259	559	38,856	58.5	1,903	64,997	106.8	
Wis-----	100,325	101,630	55	105	44	166	102,000	101.7	1,925	46,487	47.0	
Minn-----	114,094	43,052	-	6	149	153	43,360	38.0	1,049	54,364	50.7	
Iowa-----	57,146	26,839	-	64	67	281	27,251	47.7	544	39,507	72.6	
Mo-----	25,965	7,300	-	19	219	169	7,707	29.7	145	8,589	41.4	
N. Dak-----	5,921	3,088	-	35	9	-	3,132	52.9	82	4,154	76.9	
S. Dak-----	6,495	1,479	-	35	16	-	1,534	23.6	21	1,748	29.7	
Nebr-----	12,010	4,103	-	9	313	45	4,470	37.2	228	2,139	16.2	
Kans-----	29,024	10,914	-	30	140	125	11,209	38.6	164	13,483	51.6	
Okla-----	7,930	782	-	17	285	303	1,387	17.5	41	3,386	46.1	
Tex-----	24,850	5,933	-	-	240	876	7,049	28.4	65	8,962	41.0	
Mont-----	5,697	1,539	-	3	69	17	1,628	28.6	15	1,178	21.2	
Idaho-----	26,193	5,364	-	5	228	138	5,735	21.9	75	7,214	28.4	
Wyo-----	1,937	374	-	-	17	-	391	20.2	39	109	7.6	
Nev-----	3,477	93	-	-	-	171	264	7.6	4	154	5.0	
Utah-----	17,456	10,902	-	-	29	11	10,942	62.7	309	2,352	14.5	
Colo-----	17,464	2,234	-	3	45	76	2,358	13.5	94	1,364	8.8	
N. Mex-----	4,952	619	-	-	127	117	863	17.3	43	579	14.3	
Ariz-----	21,002	3,087	-	-	30	30	3,147	15.0	114	782	3.0	
Wash-----	48,224	15,314	-	-	852	432	16,598	34.4	429	36,125	82.8	
Oreg-----	29,696	13,610	-	-	411	857	14,878	50.1	323	14,976	52.1	
Calif-----	313,615	4,119	-	37	958	497	5,611	1.8	26	4,714	1.6	
P. R-----	4,507	31	-	-	-	-	31	.7	-	251	5.7	
Hawaii-----	138	59	-	-	-	-	59	42.8	-	253	124.6	
Alaska-----	0	117	-	-	-	-	117	-	1	-	-	
U. S-----	1,867,469	760,600	126	1,472	13,529	13,180	788,907	42.2	24,022	886,495	50.8	

1/ Includes cows enrolled since January 1, 1961.

2/ Production records reported on DHIA-718 and DHIA-1095.

3/ Records returned to States because of inconsistent or incomplete data.



Growth Through Agricultural Progress





